

PROCEEDINGS
OF THE
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DIAGNOSIS OF A NEW SUBSPECIES OF MARMOT FROM
COLORADO.

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Examination of specimens of *Marmota* from northern Colorado reveals pronounced differences in both color and cranial characters, as compared with *Marmota f. luteola* Howell and *Marmota f. obscura* Howell. This subspecific form may be distinguished as follows:

***Marmota flaviventer campioni* subsp. nov.**

Type specimen, male adult, Colorado Museum Natural History number 1235. Locality, detached range between the "North Fork" and North Platte River, eight miles north of Higho, Jackson Co., Colo. Collected by H. H. Sheldon, June 19, 1914.

Characters.—Compared in size, *campioni* differs very little from either *luteola* or *obscura*. In color, *campioni* is distinct, notably in the preponderance of white on the head, throat and under parts. Upper parts, including back, sides, outer sides of legs, and two-thirds of tail light cinnamon brown; chin, lips, nose, throat, and fore chest a pure white, which blends beneath with the darker color of the belly and disappears at the base of the tail; an irregular band of pale vandyke brown across muzzle terminating at anterior corner of eye, adjoined posteriorly by a stripe of ochre yellow which verges into white on the forehead, is interrupted at the eye, but continues below in the form of a malar patch to ear.

Measurements.—Type specimen, total length, 670; tail, 180; hind foot, 83. Skull: Zygomatic breadth, 55; rostrum, 18; condylobasal length, 87.

Skull.—When compared with skulls of *obscura* and *luteola*, the skull of *campioni* more nearly conforms to the latter, the chief differences being distinct compression of bases of pterygoids; larger and more rounded foramen magnum; nasals much flatter anteriorly; distance between postorbital processes of frontal much less; postorbital arch of frontal deeply indented opposite ends of nasals; maxillæ shorter; bulke dis-

tinctly larger and less flattened ; paroccipital processes much shorter and curved sharply forward.

A further comparison of *campioni* with specimens probably intermediate between *luteola* and *warreni*, makes it impossible to place the former with such intergrades, since it is considerably lighter in color than other Colorado forms.

Note.—*Marmota f. campioni* is named in honor of Mr. John F. Campion, President of the Colorado Museum of Natural History, whose liberality and active interest have played so important a part in the advancement of the natural sciences of the State.